

Title (en)

Biaxially stretched polylactic acid multilayer film and the use thereof

Title (de)

Biaxial gestreckte Polymilchsäure-Mehrschichtfolie und ihre Verwendung

Title (fr)

Film multicouche, étiré biaxialement à base d'acide polylactique et son utilisation

Publication

EP 1619021 B1 20070829 (EN)

Application

EP 05015866 A 20050721

Priority

JP 2004213701 A 20040722

Abstract (en)

[origin: EP1619021A1] Disclosed is a biaxially stretched polylactic acid multilayer film and the use thereof as packaging film. The gist of the biaxially stretched polylactic acid multilayer film resides in the construction wherein a substrate layer (I) of the biaxially stretched film comprised of polylactic acid (A) has been laminated on at least one surface thereof with a coating layer (II) of an aliphatic polyester composition (D) comprised of 97~5% by weight of an aliphatic polyester copolymer (B) having a melting point (T_m) of 80~120°C, a crystallizing temperature (T_c) of 35~75°C and a difference of (T_m)-(T_c) within the range of 35~55°C and comprising an aliphatic or alicyclic dicarboxylic acid component (b₁), an aliphatic or alicyclic dihydroxyl compound component (b₂) and a difunctional aliphatic hydroxycarboxylic acid component (b₃) and 3~95% by weight of a polylactic acid copolymer (C) containing 7~30% by weight of D-lactic acid, a total of the ingredients (B) and (C) being 100% by weight.

IPC 8 full level

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CPC (source: EP US)

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Cited by

GB2489934B; EP2629971A4; US2011019940A1; EP2292526A1; EP2480710A4; US8206796B2; US9309018B2; WO2008113509A1; US9163141B2; US9688057B2

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